

# TRANSFORMER OIL

Electric Insulating Oil



## Features

- Exceeds specifications of Ontario, Quebec Hydro and Canadian Standards Association C-50

## Benefits

- High dielectric strength
- Exceptional purity for long life

**TRANSFORMER** oil is a quality electric insulating oil made from specially prepared naphthenic base oils. It is an uninhibited low viscosity product with exceptional stability. It is neither acidic nor alkaline in nature so as not to attack the varnish in transformer windings. Its exceptional purity helps the oil to naturally resist oxidation and sludge formation.

The main functions of transformer oil are to cool the windings and act as an insulator. To do this, the oil must have good heat transfer ability and excellent fluidity for low temperature operations. In addition, it is an advantage for the oil to be of the highest stability so as not to require frequent replacement since many transformers are in remote locations. The oil must also be neutral, neither acidic nor alkaline, so as not to affect the varnish on the windings or the paper insulator used within the windings. The oil's insulating ability is quickly reduced if water is present even in trace amounts. Care must be taken to keep unopened containers sealed and to avoid contaminating the oil when filling transformer tanks.

Irving **TRANSFORMER** oil exceeds the specifications of Ontario Hydro, Quebec Hydro and Canadian Standards Association C-50, as well as those of large manufacturers of transformers such as Canadian General Electric and Westinghouse.

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## Typical performance results

NAME	TRANSFORMER
ISO GRADE	9
VISCOSITY (D-445) cSt @ 40°C cSt @ 100°C	9.0 2.3
VISCOSITY INDEX	49
POUR POINT (°C) (D-97)	-51
FLASH POINT (°C) (D-92)	144
DIELECTRIC STRENGTH (D-877) VOLTS	35,000+
DENSITY @ 15°C (kg/L)	0.8665

## Available sizes & part numbers

	946mL (1 US quart)	3.78L (1 US gal)	18.9 L Pail (5.0 US gal)	205L Drum (54.2 US gal)	500L Cube (132 US gal)	1000L Cube (264 US gal)	Bulk
TRANSFORMER OIL			F0082340	F0020950			

Check with sales representative or website for the latest product approvals.



Lubricants

[www.irvinglubricants.com](http://www.irvinglubricants.com)